

## Mastery Criteria Map for CMT Generation 4 Mathematics Strands

Standards and Content Strands	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8
<b>Numerical and Proportional Reasoning</b>						
1. Place Value	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6	3 out of 4
2. Pictorial Representations of Numbers	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6	NT
3. Equivalent Fractions, Decimals and Percents	NT	3 out of 4	3 out of 4	3 out of 4	3 out of 4	4 out of 6
4. Order, Magnitude and Rounding of Numbers	4 out of 6	4 out of 6	6 out of 8	6 out of 8	6 out of 8	4 out of 6
5. Models for Operations	6 out of 8	6 out of 8	6 out of 8	4 out of 6	4 out of 6	4 out of 6
6. Basic Facts	4 out of 6	4 out of 6	4 out of 6	3 out of 4	NT	NT
7. Computation with Whole Numbers and Decimals	4 out of 6	4 out of 6	4 out of 6	6 out of 8	4 out of 6	4 out of 6
8. Computation with Fractions and Integers	NT	3 out of 4	4 out of 6	4 out of 6	4 out of 6	4 out of 6
9. Solve Word Problems	4 out of 6	3 out of 4	4 out of 6	6 out of 8	6 out of 8	6 out of 8
10. Numerical Estimation Strategies	3 out of 4	3 out of 4	4 out of 6	3 out of 4	3 out of 4	NT
11. Estimating Solutions to Problems	3 out of 4	3 out of 4	3 out of 4	<i>7 out of 10</i>	<i>7 out of 10</i>	6 out of 8
12. Ratios and Proportions	NT	NT	NT	3 out of 4	3 out of 4	6 out of 8
13. Computation with Percents	NT	NT	NT	NT	3 out of 4	4 out of 6
<b>Geometry and Measurement</b>						
14. Time	4 out of 6	3 out of 4	3 out of 4	NT	NT	NT
15. Approximating Measures	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6
16. Customary and Metric Measures	4 out of 6	3 out of 4	6 out of 8	6 out of 8	6 out of 8	6 out of 8
17. Geometric Shapes and Properties	4 out of 6	4 out of 6	4 out of 6	6 out of 8	6 out of 8	6 out of 8
18. Spatial Relationships	NT	NT	3 out of 4	4 out of 6	6 out of 8	<i>8 out of 12</i>

<b>Working with Data: Probability and Statistics</b>						
<b>19. Tables, Graphs and Charts</b>	6 out of 8	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6
<b>20. Statistics and Data Analysis</b>	NT	NT	3 out of 4	3 out of 4	4 out of 6	6 out of 8
<b>21. Probability</b>	3 out of 4	3 out of 4	4 out of 6	3 out of 4	4 out of 6	4 out of 6
<b>24. Classification and Logical Reasoning</b>	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6
<b>Algebraic Reasoning: Patterns and Functions</b>						
<b>22. Patterns</b>	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6
<b>23. Algebraic Concepts</b>	NT	3 out of 4	3 out of 4	4 out of 6	6 out of 8	<i>7 out of 10</i>
<b>Integrated Understandings</b>						
<b>25. Mathematical Applications</b>	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6	4 out of 6

NT: Strand not tested at this grade level

*Italicized:* Mastery criteria is pending

